#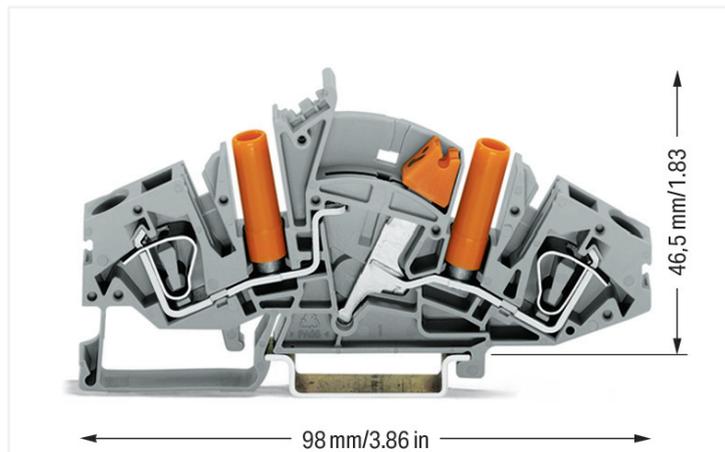# 2-conductor disconnect/test terminal block; longitudinal switching; with touch-proof test sockets; for 4 mm Ø test plugs; for DIN-rail 35 x 15 and 35 x 7.5; 6 mm²; CAGE CLAMP®; 6,00 mm²; gray

https://www.wago.com/282-821

Color: ■ gray

Current transformer terminal block, 282 Series, gray

Our current transformer terminal block (item number 282-821) is designed for seamless electrical installations. Ensure that the strip lengths are between 12 and 13 mm when connecting conductors to this current transformer terminal block. Featuring conductor terminals along with CAGE CLAMP®, this product delivers reliable performance. Our CAGE CLAMP® connection provides a proven and maintenance-free way to connect all types of conductors. You do not need to prepare the conductor in any way, such as crimping ferrules. This current transformer terminal block is suitable for conductor cross sections ranging from 0.2 mm² to 6 mm².

Electrical data

Ratings per IEC/EN

Nominal voltage (III/3)	500 V
Rated impulse withstand voltage (III / 3)	6 kV
Rated current	30 A
Legend (ratings)	(III / 3) ≙ Overvoltage category III / Pollution degree 3

Power Loss

Power loss, per pole (potential)	0.702 W
Rated current I_N for power loss specification	30 A
Resistance value for specified, current-dependent power loss	0.00078 Ω

General information

Wiring direction	Front-entry wiring

Connection Data

Clamping units	2
Total number of potentials	2
Number of levels	1

Connection 1

Connection technology	CAGE CLAMP®
Actuation type	Operating tool
Connectable conductor materials	Copper
Solid conductor	0.2 … 6 mm² / 24 … 10 AWG
Fine-stranded conductor	0.2 … 6 mm² / 24 … 10 AWG
Strip length	12 … 13 mm / 0.47 … 0.51 inches
Wiring direction	Front-entry wiring

WAGO

Physical data

Width	8 mm / 0.315 inches
Height	98 mm / 3.858 inches
Depth from upper-edge of DIN-rail	46.5 mm / 1.831 inches

Mechanical data

Design	angled
Mounting type	DIN-35 rail
Marking level	Center/side marking

Material data

Note (material data)	Information on material specifications can be found here
Color	gray
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Fire load	0.349 MJ
Weight	24.7 g

Environmental requirements

Processing temperature	-35 ... +85 °C
Continuous operating temperature	-60 ... +105 °C

Commercial data

Product Group	1 (Rail Mounted Terminal Blocks)
PU (SPU)	20 pcs
Packaging type	Box
Country of origin	CN
GTIN	4050821227526
Customs tariff number	85365080000

Product Classification

UNSPSC	39121410
eCl@ss 10.0	27-14-11-26
eCl@ss 9.0	27-14-11-26
ETIM 9.0	EC000902
ETIM 10.0	EC000902
ECCN	NO US CLASSIFICATION

Environmental Product Compliance

CAS-No.	7439-92-1
REACH Candidate List Substance	Lead
RoHS Compliance Status	Compliant,With Exemption
RoHS Exemption	6(c)
SCIP notification number (Austria)	6fbb9a04-4645-4d85-bf79-426675484fa7
SCIP notification number (Belgium)	fd46549d-bd3c-421e-bb3d-e94f76d9fda1
SCIP notification number (Bulgaria)	69a6a508-9e54-43a9-bc73-d181c501bc25
SCIP notification number (Czech Republic)	cae9f513-66c9-42fc-88b3-6cc93e536f24
SCIP notification number (Denmark)	8cb11f6a-197d-4969-bc27-cd5a5483de33
SCIP notification number (Finland)	89e4ea45-9142-42cf-98fd-255e6843f54f
SCIP notification number (France)	a1dc073a-0dbb-4a4f-a0db-7c5c94d9106b

Environmental Product Compliance

SCIP notification number (Germany)	31d0e8d6-c170-49f2-b3e5-ffe1736f37b9
SCIP notification number (Hungary)	ea57a924-8f18-45bd-a5d1-bc67c2bf0593
SCIP notification number (Italy)	eede8b96-df12-4ee2-9caf-9b2d47e01425
SCIP notification number (Netherlands)	06a48e1c-11d2-4756-83e5-e2c78a251b17
SCIP notification number (Poland)	65c30c22-4db5-4aeb-8a93-22f088c88f52
SCIP notification number (Romania)	dfa980e2-0470-4b02-89dc-2e65534a0149
SCIP notification number (Sweden)	bbbf5c1d-f468-4348-b3de-220a7efb0476

Approvals / Certificates

General approvals

Approval	Standard	Certificate Name
CCA DEKRA Certification B.V.	EN 60947	NTR NL 8027
cURus Underwriters Laboratories Inc.	UL 1059	E45172
KEMA/KEUR DEKRA Certification B.V.	EN 60947	71-136074

Declarations of conformity and manufacturer's declarations

Approval	Standard	Certificate Name
EU-Declaration of Conformity WAGO GmbH & Co. KG	-	-
UK-Declaration of Conformity WAGO GmbH & Co. KG	-	-

Approvals for marine applications

Approval	Standard	Certificate Name
ABS American Bureau of Shipping	EN 60947	24-0152298-PDA
DNV GL Det Norske Veritas, Germanischer Lloyd	-	TAE00001V2
PRS Polski Rejestr Statków	-	TE/1094/880590/23

Downloads

Environmental Product Compliance

Compliance Search	
Environmental Product Compliance 282-821	↓

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Documentation

Bid Text

282-821	19.02.2019	xml 3.48 KB	↓
282-821	06.11.2017	doc 25.00 KB	↓

CAD/CAE-Data

CAD data

2D/3D Models 282-821	↓

CAE data

EPLAN Data Portal 282-821	↓
WSCAD Universe 282-821	↓

1 Compatible Products

1.1 Required Accessories

1.1.1 End plate

1.1.1.1 End plate

Item No.: 282-360
End and separator plate; for 2-conductor longitudinal switching disconnect terminal block; 1.5 mm thick; gray

Item No.: 282-365
End and separator plate; for 2-conductor longitudinal switching disconnect terminal block; 1.5 mm thick; orange

1.2 Optional Accessories

1.2.1 Coding

1.2.1.1 Locking system

Item No.: 282-370
Lock-out; for disconnect link; yellow

1.2.2 DIN-rail

1.2.2.1 Mounting accessories

Item No.: 210-196
Aluminum carrier rail; 35 x 8.2 mm; 1.6 mm thick; 2 m long; unslotted; similar to EN 60715; silver-colored

Item No.: 210-198
Copper carrier rail; 35 x 15 mm; 2.3 mm thick; 2 m long; unslotted; according to EN 60715; copper-colored

Item No.: 210-508
Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; slotted; galvanized; similar to EN 60715; silver-colored

Item No.: 210-197
Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; slotted; similar to EN 60715; silver-colored

Item No.: 210-506
Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; unslotted; galvanized; similar to EN 60715; silver-colored

Item No.: 210-114
Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; unslotted; similar to EN 60715; silver-colored

Item No.: 210-118
Steel carrier rail; 35 x 15 mm; 2.3 mm thick; 2 m long; unslotted; according to EN 60715; silver-colored

Item No.: 210-115
Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; according to EN 60715; "Hole width 18 mm; silver-colored

1.2.2.1 Mounting accessories

Item No.: 210-112
Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; according to EN 60715; "Hole width 25 mm; silver-colored

Item No.: 210-504
Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; galvanized; according to EN 60715; silver-colored

Item No.: 210-113
Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; unslotted; according to EN 60715; silver-colored

Item No.: 210-505
Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; unslotted; galvanized; according to EN 60715; silver-colored

1.2.3 Ferrule

1.2.3.1 Ferrule

Item No.: 216-262
Ferrule; Sleeve for 0.75 mm² / 18 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray

Item No.: 216-263
Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red

Item No.: 216-264
Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; black

Item No.: 216-266
Ferrule; Sleeve for 2.5 mm² / AWG 14; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; blue

Item No.: 216-267
Ferrule; Sleeve for 4 mm² / AWG 12; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray

1.2.4 Installation

1.2.4.1 Cover

Item No.: 709-154
Cover; Type 2; suitable for cover carrier, type 2; 1 m long; transparent

1.2.4.2 Cover carrier

Item No.: 709-168
Cover carrier; Type 2; incl. fixing/retaining screws and knurled nut; suitable for 283 to 285 Series rail-mounted terminal blocks; suitable for 279 to 281 Series double- and triple-deck terminal blocks; suitable for 780 to 785, 775, 776 and 777 Series TOP-JOB® rail-mounted terminal blocks; suitable for 280 Series sensor and actuator terminal blocks; suitable for 282 Series disconnect/test terminal blocks for transformer circuits; gray

1.2.4.3 Mounting accessories

Item No.: 209-106
Mounting carrier; for isolated mounting on DIN 35 rails; gray

Item No.: 249-116
Screwless end stop; 6 mm wide; for DIN-rail 35 x 15 and 35 x 7.5; gray

1.2.5 Jumper

1.2.5.1 Jumper

Item No.: 282-440
Jumper; 10-way; insulated; orange

Item No.: 282-432
Jumper; 2-way; insulated; orange

Item No.: 282-432/100-000
Jumper; 2-way; insulated; orange

Item No.: 282-433
Jumper; 3-way; insulated; orange

Item No.: 282-433/100-000
Jumper; 3-way; insulated; orange

Item No.: 282-434
Jumper; 4-way; insulated; orange

Item No.: 282-434/100-000
Jumper; 4-way; insulated; orange

Item No.: 282-435
Jumper; 5-way; insulated; orange

Item No.: 282-436
Jumper; 6-way; insulated; orange

Item No.: 282-437
Jumper; 7-way; insulated; orange

Item No.: 282-438
Jumper; 8-way; insulated; orange

Item No.: 282-439
Jumper; 9-way; insulated; orange

Item No.: 282-435/011-000
Jumper; insulated; orange

Item No.: 282-435/300-000
Jumper; insulated; orange

Item No.: 282-435/301-000
Jumper; insulated; orange

Item No.: 282-436/301-000
Jumper; insulated; orange

Item No.: 282-436/304-000
Jumper; insulated; orange

Item No.: 282-437/011-000
Jumper; insulated; orange

Item No.: 282-437/012-000
Jumper; insulated; orange

Item No.: 282-438/300-000
Jumper; insulated; orange

Item No.: 282-438/301-000
Jumper; insulated; orange

Item No.: 282-439/011-000
Jumper; insulated; orange

1.2.6 Locking system

1.2.6.1 Locking system

Item No.: 282-372
Coupling device; mechanically locks multiple links; 2-way; yellow

Item No.: 282-373
Coupling device; mechanically locks multiple links; 3-way; yellow

Item No.: 282-374
Coupling device; mechanically locks multiple links; 4-way; yellow

1.2.7 Marking

1.2.7.1 Marker

Item No.: 2009-145/000-006
Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; blue

Item No.: 2009-145/000-007
Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; gray

Item No.: 2009-145/000-023
Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; green

Item No.: 2009-145/000-012
Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; orange

Item No.: 2009-145/000-005
Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; red

Item No.: 2009-145/000-024
Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; violet

Item No.: 2009-145
Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white

Item No.: 2009-145/000-002
Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; yellow

Item No.: 248-501/000-006
Mini-WSB marking card; as card; not stretchable; plain; snap-on type; blue

Item No.: 248-501/000-007
Mini-WSB marking card; as card; not stretchable; plain; snap-on type; gray

Item No.: 248-501/000-023
Mini-WSB marking card; as card; not stretchable; plain; snap-on type; green

Item No.: 248-501/000-017
Mini-WSB marking card; as card; not stretchable; plain; snap-on type; light green

1.2.7.1 Marker

Item No.: 248-501/000-012
Mini-WSB marking card; as card; not stretchable; plain; snap-on type; orange

Item No.: 248-501/000-005
Mini-WSB marking card; as card; not stretchable; plain; snap-on type; red

Item No.: 248-501/000-024
Mini-WSB marking card; as card; not stretchable; plain; snap-on type; violet

Item No.: 248-501
Mini-WSB marking card; as card; not stretchable; plain; snap-on type; white

Item No.: 248-501/000-002
Mini-WSB marking card; as card; not stretchable; plain; snap-on type; yellow

Item No.: 793-5501/000-006
WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; blue

Item No.: 793-5501/000-014
WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; brown

Item No.: 793-5501/000-007
WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; gray

Item No.: 793-5501/000-023
WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; green

Item No.: 793-5501/000-017
WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; light green

Item No.: 793-5501/000-012
WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; orange

Item No.: 793-5501/000-005
WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; red

Item No.: 793-5501/000-024
WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; violet

Item No.: 793-5501
WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; white

Item No.: 793-5501/000-002
WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; yellow

Item No.: 794-5553/000-002
WMB marking card; as card; MARKED; k/l (each 50); stretchable 5 - 5.2 mm; Horizontal marking; snap-on type; yellow

Item No.: 794-5554/000-006
WMB marking card; as card; MARKED; U/V (each 50x); stretchable 5 - 5.2 mm; Horizontal marking; snap-on type; blue

Item No.: 793-501/000-006
WMB marking card; as card; not stretchable; plain; snap-on type; blue

Item No.: 793-501/000-007
WMB marking card; as card; not stretchable; plain; snap-on type; gray

Item No.: 793-501/000-023
WMB marking card; as card; not stretchable; plain; snap-on type; green

Item No.: 793-501/000-017
WMB marking card; as card; not stretchable; plain; snap-on type; light green

Item No.: 793-501/000-012
WMB marking card; as card; not stretchable; plain; snap-on type; orange

Item No.: 793-501/000-005
WMB marking card; as card; not stretchable; plain; snap-on type; red

Item No.: 793-501/000-024
WMB marking card; as card; not stretchable; plain; snap-on type; violet

Item No.: 793-501
WMB marking card; as card; not stretchable; plain; snap-on type; white

Item No.: 793-501/000-002
WMB marking card; as card; not stretchable; plain; snap-on type; yellow

Item No.: 2009-115/000-006
WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; blue

Item No.: 2009-115/000-007
WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; gray

Item No.: 2009-115/000-023
WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; green

Item No.: 2009-115/000-017
WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; light green

Item No.: 2009-115/000-012
WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; orange

Item No.: 2009-115/000-024
WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; violet

Item No.: 2009-115
WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white

Item No.: 2009-115/000-002
WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; yellow

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1.2.8 Protective warning marker

1.2.8.1 Cover

Item No.: 282-415
Protective warning marker; for 5 terminal blocks; with high-voltage symbol, black; yellow

1.2.9 Tool

1.2.9.1 Operating tool

Item No.: 210-721
Operating tool; Blade: 5.5 x 0.8 mm; with a partially insulated shaft; multicoloured

Installation Notes

Conductor termination

CAGE CLAMP® connection
Inserting a conductor.

Commoning

Jumper with safety lid
Jumper in pre-locked position

Jumper with safety lid
Longitudinal switching disconnect terminal blocks with inserted jumper, including safety lid

Jumper with safety lid
Jumper with raised safety lid

Jumper with safety lid
Removing a jumper via safety lid.

Jumper with safety lid
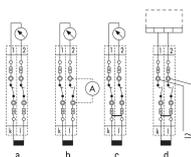Remove jumper via operating tool.

Jumper with safety lid
Remove jumper via operating tool.

Testing

Testing via touch-proof 4 mm Ø test plugs (not available from WAGO, but offered by industry suppliers such as, Multi-Contact Deutschland GmbH).

Current transformer circuit with longitudinal switching disconnect terminal blocks a = normal operation b = measured value test c = transformer short circuit d = relay test

Subject to changes. Please also observe the further product documentation!

Current addresses can be found at:: www.wago.com